

6000 SERIES MICRO ASCII KEYBOARD 2160012 / 2160029

THE *Maxi*-SWITCH CO.

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The 6000 Series Micro ASCII keyboard is a microcomputer based mechanical switch keyboard designed for performance and dependability at low cost. Keyswitch layout is standard logically-paired ASCII format, and includes all 128 characters plus two relegendable keyswitch positions for user-defined functions. An upper case alpha key is included, as is 2-key rollover protection.

This keyboard features dependable Maxi-Switch 6000 Series mechanical switches with gold plated contacts rated at over 10 million operations. Switch positions are located by a punched steel panel for alignment and rigidity.

The Micro ASCII keyboard includes all of the important microcomputer based features of the larger 6000 Series keyboards, including variable debounce, electronic hysteresis, modular application software, and design flexibility. Several user-selected options are built in which may be selected with the addition of diodes. These include auto repeat with .5 second delay, 10 Hz repeat rate. Negative TRUE data (bits 0 - 7), active low strobe (20 usec. pulsed). Serial data at 300 baud. One or two stop bits with serial selected, and marking high or low if serial TTL is used. For RS-232 an optionally available 75150 driver is used to obtain proper signal levels, and will require $\pm 12\text{VDC}$.

Keyboard panel must be electrically tied to system chassis ground to prevent electrostatic *
discharge.

Cursor controls are optionally available, with five additional encoded keyswitch positions included on the board. Keyboard interface is via a Cinch type 50-18A-20 or equivalent.

STANDARD SPECIFICATIONS

Strobe

Positive, 20 usec. pulse on initial key closure

Repeat

Internal repeat 10 character-per-second

Electrical

Drive capability — (1) 7400 Series gate load
Power Requirement +5VDC, $\pm 10\%$, 260 ma.

Logic Conversion

Positive output normally latched. Last code is left on data bus.

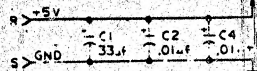
"1" = 2.4 — 5.24VDC

"2" = -1.7 — +0.4VDC

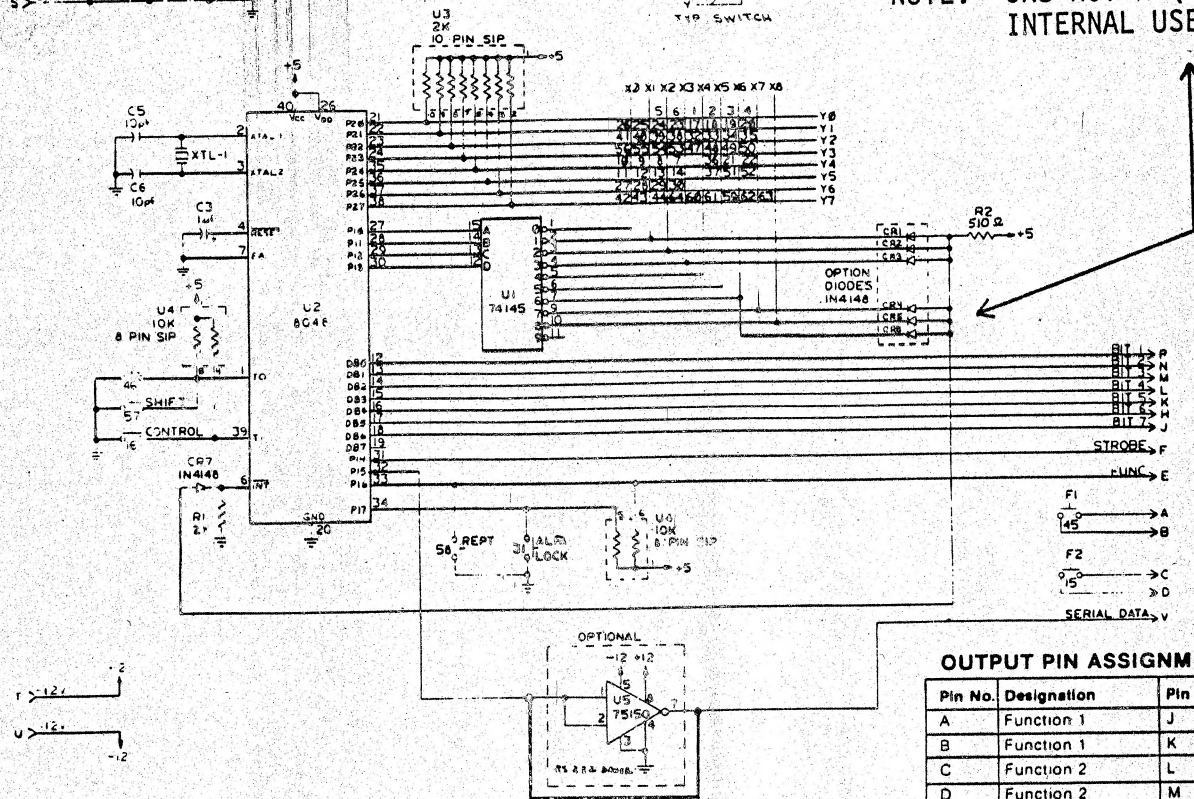
DIODE OPTIONS

	Standard (no diodes)	Options* (with diodes)
Diode		
CR1	Repeat Key	Auto Repeat
CR2	Bits 0-7 (marking high, serial)	Bits 0-7 inverted (marking low, serial)
CR3	Strobe	Strobe
CR4	One STOP bit	Two STOP bits
CR5	Parallel out	Serial out

KEYBOARD DIAGRAM



NOTE: CR8 NOT REQUIRED,
INTERNAL USE ONLY.



OUTPUT PIN ASSIGNMENTS

Pin No.	Designation	Pin No.	Designation
A	Function 1	J	Bit 7
B	Function 1	K	Bit 5
C	Function 2	L	Bit 4
D	Function 2	M	Bit 3
E	Function	N	Bit 2
F	Strobe	P	Bit 1
H	Bit 6	V	Serial Data

KEYBOARD ENCODING

